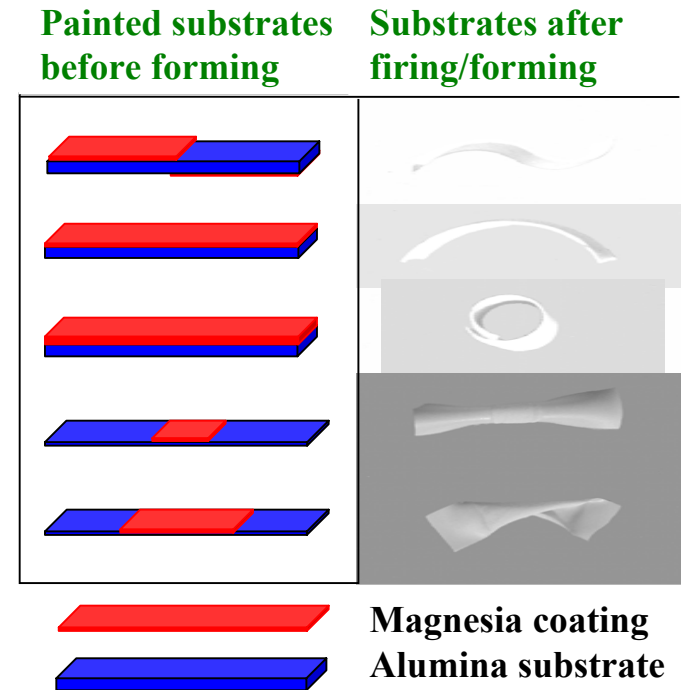


# FORMING OF CERAMICS DURING FIRING WITHOUT THE APPLICATION OF EXTERNAL PRESSURE

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The PI, along with Ph.D. student C. S. Kim and post-doctoral scholar R. V. Shende, are working on a forming process to shape thin ceramic bodies by introducing strain at high temperature, without the application of external pressure. This approach offers advantages over traditional forming methods by reducing the costs of molds and machining.



Left) Examples of initially flat alumina substrates coated with MgO and fired at 1600°C for 4 hr.

Right) Deformed samples.